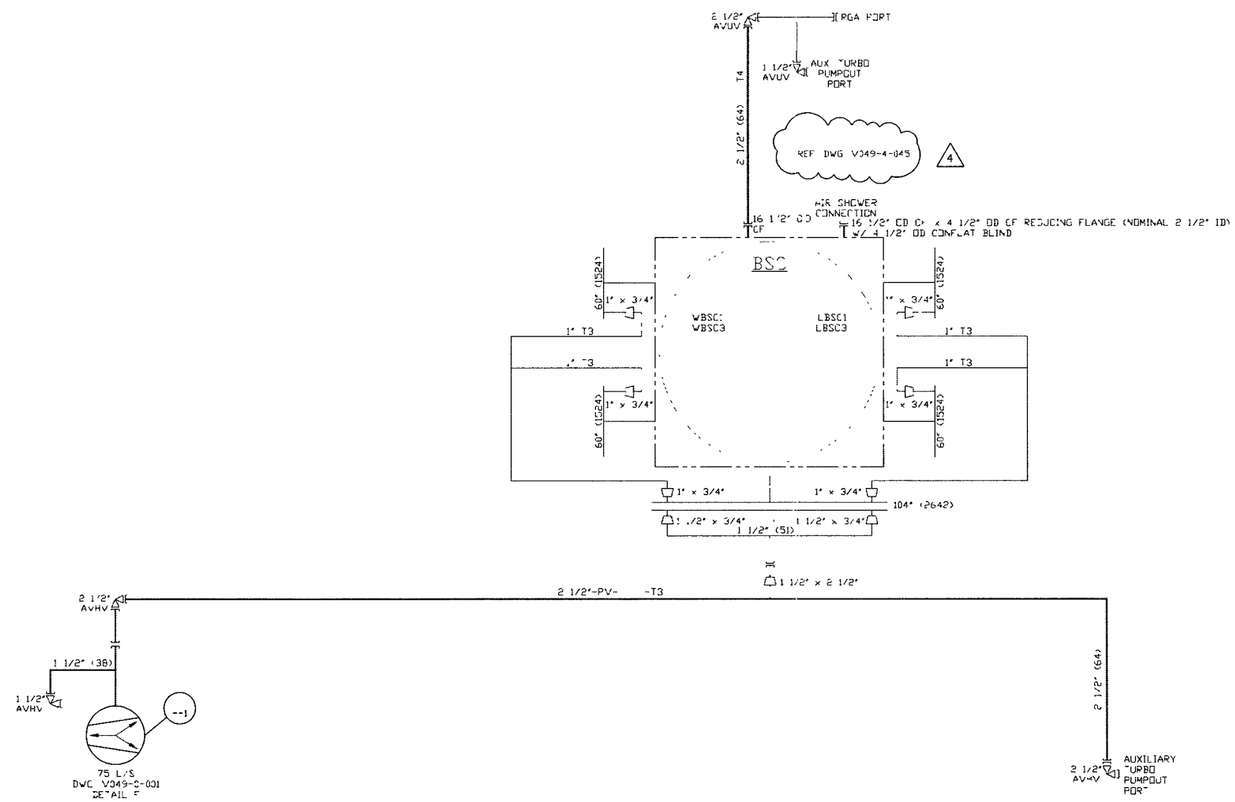
NOTES:

1. EACH PUMPOUT PORT LOCATION HAS BOTH POWER & CONTROL PLUG IN CONNECTIONS
2. ALL VACUUM GAUGES TO BE BAKED OUT AT 250 C DURING PUMPDOWN, USING A REMOVABLE BLANKET TYPE HEATER. ALL VACUUM SECTIONS SHALL ALSO BE BAKED OUT AT 150 C DURING PUMPDOWN USING A REMOVABLE BLANKET TYPE HEATER. SEE DWG V049-0-043 FOR BAKEOUT SYSTEM
3. DIMENSIONS IN ( ) ARE IN MILLIMETERS
4. SEE TABLE 1 FOR INSTRUMENT TAG NUMBERS AND PIPING LINE NUMBERS

TABLE 1

CHAMBER	ION PUMP CONTROL	VACUUM LINE
WBSC1	1?1	2 1/2"-PV-196-T3
WBSC3	13?	2 1/2"-PV-197-T3
LBSC1	61?	2 1/2"-PV-670-T3
LBSC3	63?	2 1/2"-PV-671-T3



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DWG NO	DESCRIPTION	DWG NO	DESCRIPTION
V049-0-001	P & ID LEGEND		

REFERENCE DRAWINGS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR:MACH ±0°-30' BEND ±2°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHED SURFACE RMS
BREAK CORNERS IN- OUT
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING

USED ON

NEXT ASS'Y:

REV	DESCRIPTION							CHKD	DRWN	DATE	DEC#
4	AS-BUILT								LD	08 25 98	0628
3	REVISED				SM	DMcV			RJV	02.14.97	0435
2	ISSUE FOR FDR UPDATE		TS	RT	SM	DMcV			RJV	10 25 96	0369
1	ISSUE FOR FDR	REB	TS	RT	SM	DMcV			RJV	04 26 96	0134
0	ISSUE FOR DESIGN	REB	TS	RT	SM	DMcV			RJV	01 03 96	0031
P2	REVISED	REB							RJV	10 02 95	0003

ISSUE DESCRIPTION

PROCESS SYSTEMS INTERNATIONAL INC.
20 WALKUP DR WESTBOROUGH, MASSACHUSETTS 01581 USA

PIPING & INSTRUMENTATION DIAGRAM
LIGO VACUUM EQUIPMENT
BEAM SPLITTER CHAMBER (BSC)
CORNER VERTEX ARMS

CAD FILE	SIZE	DWG NO	REV
V0490003	D	V049-0-003	4

SCALE NONE | SHEET 1 OF 1

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